

Notice of Allowability	Application No.	Applicant(s)	
	09/695,976	KIM ET AL.	
	Examiner	Art Unit	
	Nitin Patel	2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/22/2005.
2. ☒ The allowed claim(s) is/are 1-14,47-53 Now renumbered 1-6,10-17,7-9,18-21 respectively.
3. ☒ The drawings filed on 19 February 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

DETAILED ACTION
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Oren on 04/01/2005.

The application has been amended as follows:

I. Claim 1 has been replaced with following amended claim 1.

A plasma display panel comprising:

a plurality of sustain electrodes pairs successively formed on an upper electrode;

a plurality of priming electrodes configured to increase the amount of priming particles in a discharge cell to reduce discharge lag formed one by one between a pair of the sustain electrodes; and a dielectric formed on the substrate to deposit the sustain electrodes and the priming electrodes wherein the plurality of sustain electrodes pairs comprise a first electrode and a second electrode; and each first electrode is commonly connected.

II. Claim 7 has been replaced with following amended claim 7.

A method for driving a plasma display panel which includes a plurality of sustain electrode pairs successively formed on a substrate, a plurality of priming electrodes configured to increase the amount of priming particles in a discharge cell to

Art Unit: 2673

reduce discharge lag, wherein the priming electrodes are between a pair of the sustain electrodes, and a plurality of address electrodes formed to cross the sustain electrodes, wherein the plurality of sustain electrodes pairs comprise a first electrode and a second electrode; and each first electrode is commonly connected, the method comprising the step of:

applying a common pulse, which is periodically turned on/off, to the priming electrodes;

applying a scan pulse to one of a pair of the sustain electrodes; and

applying an address pulse to the address electrodes when the scan pulse is applied to the one sustain electrode.

III. Claims 15-46,54-56 have been cancelled.

Allowable Subject Matter

2. Claims 1-14,47-53 are allowed.

The following is an examiner's statement of reason for allowance:

The prior art fails to teach or suggest a plurality of priming electrodes configured to increase the amount of priming particles in a discharge cell to reduce discharge lag formed one by one between a pair of the sustain electrodes; and a dielectric formed on the substrate to deposit the sustain electrodes and the priming electrodes wherein the plurality of sustain electrodes pairs comprise a first electrode and a second electrode; and each first electrode is commonly connected as claimed with combined limitation of claim 1.

The prior art fails to teach or suggest a method for driving a plasma display panel which includes a plurality of sustain electrode pairs successively formed on a substrate, a plurality of priming electrodes configured to increase the amount of priming particles in a discharge cell to reduce discharge lag, wherein the priming electrodes are between a pair of the sustain electrodes, and a plurality of address electrodes formed to cross the sustain electrodes, wherein the plurality of sustain electrodes pairs comprise a first electrode and a second electrode; and each first electrode is commonly connected, the method comprising the step of:

applying a common pulse, which is periodically turned on/off, to the priming electrodes;

applying a scan pulse to one of a pair of the sustain electrodes; and

applying an address pulse to the address electrodes when the scan pulse is applied to the one sustain electrode as claimed in claim 7.

2. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

Art Unit: 2673

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP

April 3, 2005


Amaro Mongistu
Primary Examiner